

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.


LISTING OF CLAIMS

1 - 12. (cancelled)

13. (currently amended) The method of claim 16 ~~42~~ wherein the active material is lithium manganese oxide having a breakdown voltage of about 5 volts and said DMAC characterized by absorbing excess energy at a breakdown voltage less than that of said lithium manganese oxide.

14. (new) A method for reducing decomposition of an electrolyte solution and for reducing the formation of gaseous constituents in an electrochemical cell, said method comprising including in said cell a dialkylamide additive, whereby said cell having said additive is characterized by a lesser rate of gas formation during cycling of said cell as compared to a similar cell without said additive.

15 (new) A method for reducing decomposition of a lithium salt in an electrochemical cell, said method comprising including in said cell a dialkylamide additive which neutralizes acid attack of said salt.



16 (new) A method for preventing breakdown of a lithium metal oxide cathode active material in an electrochemical cell by overcharge to an electrochemical breakdown voltage, said method comprising, including in said cell DAMC (dimethylacetamide) which absorbs excess charge energy at a voltage less than the breakdown voltage of said cathode active material.
